

REMARKS

The Office Action mailed April 22, 2002 requires a restriction to one of the following groups of claims:

- I. Claims 1-55;
- II. Claim 56.

Applicants elect Claims 1-55.

JUN 1 0 2002 Technology Center 2100

The specification is amended to improve grammar.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, Washington, D.C. 20231, on May 21, 2002.

Respectfully submitted,

Michael Shenker

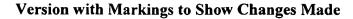
Attorney for Applicant(s)

Reg. No. 34,250

Telephone: (408) 453-9200, ext. 1234

Michael Shenker

LAW OFFICES OF SKJERVEN MORRILL MacPHERSON LLP



IN THE SPECIFICATION

Please amend the paragraph on page 1, line 25, through page 2, line 4, to read as follows:

The input and output registers however, cause two clock cycles of latency in the relation between the read address and read data, and no latency between the write address and write data (i.e., **the** address is clocked in and **the** data is clocked out in two consecutive clock cycles for a read, and the address and data are clocked in in the same clock cycle for a write). This latency difference between read and write operations causes the address bus to remain idle for two clock cycles when a read cycle is followed by a write cycle, and causes the data bus to remain idle for two clock cycles when a write cycle is followed by a read cycle (i.e., bus turnaround). The idle cycles reduce the system data bandwidth.

LAW OFFICES OF SKJERVEN MORRILL

25 METRO DRIVE SUITE 700 SAN JOSE, CA 95110 (408) 453-9200 FAX (408) 453-7979

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